

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("7053413").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/17 08:54
S2	27	US-6051145-\$.DID. OR US-6265322-\$.DID. OR US-6270569-\$.DID. OR US-6303403-\$.DID. OR US-20020063258-\$.DID. OR US-6531072-\$.DID. OR US-6534795-\$.DID. OR US-20030209191-\$.DID. OR US-20040031978-\$.DID. OR US-6720586-\$.DID. OR US-7097707-\$.DID. OR US-7291544-\$.DID. OR FR-2796657-\$.DID. OR WO-0124284-\$.DID.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 08:55
S3	0	WP-9839805-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 09:08
S4	2	WO-9839805-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 09:08
S5	1	("6084250").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/17 09:09
S6	4	JP-2000327495-\$.did. or JP-200340699-\$.did. or JP-2004168656-\$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 09:29
S7	1	("7160388").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/17 09:32

S8	7053	((117/3,70,73,68,69,953,952,200,205,206) or (257/E33.028, E33.061) or (422/245.1)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/17 09:35
S9	18	S8 and (alkali with concentration with ppm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 09:36
S10	16	("20010008656"   "20010022154"   "5456204"   "5780876"   "5868837"   "5928421"   "6067310"   "6156581"   "6177057"   "6372041").PN. OR ("6656615").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/17 09:46
S11	1203	(alkali with concentration with ppm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 09:47
S12	90	S11 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:03
S13	1	S12 and (phosphor adj substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:11

S14	65	S12 and (substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:15
S15	57	S14 and (crystal\$ or crystalization)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:15
S16	11	("20040238810"   "20060054075"   "6177292"   "6248607"   "6265322"   "6355497"   "6488767"   "6656615"   "6749819"   "7132730"   "7160388").PN. OR ("7410539"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/17 10:21
S17	10	("20040238810"   "6177292"   "6248607"   "6265322"   "6355497"   "6488767"   "6656615"   "6749819"   "7132730"   "7160388").PN. OR ("7387677").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/17 10:22
S18	22	(gallium with nitride) same (concentration with alkali with metal\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:27
S19	899	(phosphor or light) same (concentration with alkali with metal\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:32
S20	44	S19 and (single adj crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:33

S21	1	S20 and "XIII"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:37
S22	39	S19 and "XIII"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:38
S23	16	(concentration with alkali with metal) same (supercritical adj solvent) same (feedstock or nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:41
S24	15191	((117/3,70,73,68,69,953,952,200,205,206) or (257/E33.028, E33.061) or (422/245.1) or (428/698,697,220) or (423/409)).CCL.S.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/17 10:53
S25	3233	S24 and (phosphor or light) with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:57
S26	2279	S25 and (nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:57

S27	26	S26 and (alkali with concentrat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 10:57
S28	214	S24 and (phosphor or light) same alkali	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:03
S29	3	S28 and ("XIII")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:04
S30	28	((supercritical or super?critical or (super adj critical)) with alkali with ammonia) same crystal\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:18
S31	1865	(alkali with (phosphor or light)) and nitride	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:21
S32	49	S31 and (nitride with formula)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:22

S33	199	S31 and (alkali with concentrat\$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:22
S34	5	S32 and S33	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:23
S35	1	S33 and ((supercritical or super?critical or (super adj critical)) with ammonia)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 11:25
S36	16	("20010008656"   "20010022154"   "5456204"   "5780876"   "5868837"   "5928421"   "6067310"   "6156581"   "6177057"   "6372041").PN. OR ("6656615").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/17 11:38
S37	7789	(428/698,697,220).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/17 11:42
S38	1260	S37 and (phosphor or light) with (substrate or surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 12:25
S39	18	S38 and ("XIII")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 12:26

S40	58	S38 and (gallium with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 12:27
S41	7	S40 and (nitride with formula)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 12:28
S42	0	("2003/0022028").URPN.	USPAT	OR	ON	2008/10/17 12:29
S43	25	(nitride with group with "XIII") and (alkali with concentrat \$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/17 12:33
S44	58	((((DWILINSKI) near2 (ROBERT)).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 09:40
S45	57	((((DORADZINSKI) near2 (ROMAN)).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 09:41
S46	58	((((GARCZYNSKI) near2 (JERZY)).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 09:41

S47	57	((sierzputowski) near2 (leszek)).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 09:42
S48	86	((KANBARA) near2 (YASUO)).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 09:42
S49	86	S44 S45 S46 S47 S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 09:43
S50	32	S49 and ((alkali with concentrat\$4) or (off?angle or (off adj angle) or offangle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 09:44
S51	180	(alkali with metal\$2 with (supercritical or super?critical or (super adj critical)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 10:10
S52	1180	((ammonia or "NH.sub.3") with (supercritical or super?critical or (super adj critical)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 10:12



S53	94	S51 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 10:12
S54	71	S53 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 10:18
S55	24	S54 and ((alkali with concentrat\$4) with (substrate or phosphor or crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 10:19
S56	12	(synthesis with ("GaN" or (gallium adj nitride)) with (alkali adj metal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:09
S57	129	((("GaN" or (gallium adj nitride)) with (alkali adj metal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:10
S58	2	S57 and (accelerat\$4 same (alkali))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:10

S59	21	S57 and "XIII"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:11
S60	50	(group adj "XIII") with nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:17
S61	32	S60 and (alkali with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:18
S62	13	(nitride with group with "XIII") and (off?angle or offangle or (off adj angle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:45
S63	800	(nitride) and (off?angle or offangle or (off adj angle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:46
S64	192	S63 and (nitride) with (off?angle or offangle or (off adj angle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:49

S65	22	S63 and ("XIII" or "13") near2 group)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:50
S66	38	(off?angle or offangle or (off adj angle)) and ("XIII" or "13") near2 group)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:54
S67	16	S66 not S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 11:54
S68	157	((off?angle or offangle or (off adj angle)) with degree) and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 12:01
S69	15	S68 and (alkali with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 12:02
S70	1130	(group near2 ("XIII" or "13")) and nitride and (alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 13:54

S71	93	S70 and (alkali with concentrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 13:55
S72	43	S71 and (substrate or crystal or phosphor) with (alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 13:56
S73	19	S72 not S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 13:56
S74	284	S70 and (substrate or crystal or phosphor) with (alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:29
S75	129	S74 and ((substrate or phosphor or nitride) with ("XII" or "13"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:31
S76	107	S75 and (ammonia or "NH.sub.3")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:33

S77	7	S76 and (off?angle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:36
S78	36	S76 and GaN	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:36
S79	71	S76 not S78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:38
S80	5	S79 and (phosphor with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:39
S81	1	S79 and (concentrat\$4 with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 14:42
S82	3393	(428/698).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/20 15:06

S83	28	S82 and @pd> "20080701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:08
S84	1605	((crystal or phosphor or substrate) with concentrat\$4 with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:23
S85	77	S84 and (ppm with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (substrate or crystal or phosphor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:26
S86	9	S85 and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:27
S87	18	S52 and S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:30
S88	44	(kainosho).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:32

S89	5	S88 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:32
S90	131110	((crystal or phosphor or substrate) with \$4angle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:35
S91	84	S84 and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:36
S92	21	S91 and (degree with \$4angle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:36
S93	8	S91 and phosphor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:40
S94	1407	((crystal or phosphor or substrate) with wurtzite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:42

S95	12	((off?angle or offangle or (off adj angle)) with degree) and S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:43
S96	318	((off?angle or offangle or (off adj angle)) with degree) and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:48
S97	129	((off?angle or offangle or (off adj angle)) with (slice or slurry or cut\$4)) and S90	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:49
S98	28	S96 and S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:49
S99	28	S52 and (ppm with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (substrate or crystal or phosphor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 15:55
S100	1	pct/JP02/13079.PCT.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 16:05



S101	59	((group adj ("13" or "XIII")) with nitride) same (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 16:12
S102	23	S101 and (ppm with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (substrate or crystal or phosphor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 16:13
S103	16	("20010008656"   "20010022154"   "5456204"   "5780876"   "5868837"   "5928421"   "6067310"   "6156581"   "6177057"   "6372041").PN. OR ("6656615").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/20 16:14
S104	59	((group adj ("13" or "XIII")) with nitride) same (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali or (group near2 "I"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 16:31
S105	36	S104 not S102	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 16:32
S106	23	(ppm with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (substrate or crystal or phosphor)) and ((group adj ("13" or "XIII")) with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 16:38

S107	25	(ppm with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (substrate or crystal or phosphor)) and ((group adj ("13" or "XIII")) and nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/20 16:38
S108	27	(ppm with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) same (substrate or crystal or phosphor or singlecrystal or single?crystal)) and ((group adj ("13" or "XIII")) with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 06:59
S109	27	((ppm or (part?per?million or parts?per?million or (parts adj per adj million))) with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) same (substrate or crystal or phosphor or singlecrystal or single?crystal)) and ((group adj ("13" or "XIII")) with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:00
S110	24	(concentration with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) same (substrate or crystal or phosphor or singlecrystal or single?crystal)) and ((group adj ("13" or "XIII")) with nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:01
S111	2491	((lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (substrate or crystal or phosphor or singlecrystal or single?crystal)) and (gallium adj nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:08
S112	429	(concentration or ppm) with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) and S111	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:08

S113	116	(ppm) with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:09
S114	77	(crystal or phosphor) with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) and S113	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:09
S115	128	((offangle or off?angle) with (substrate or crystal or phosphor or singlecrystal or single?crystal)) and (gallium adj nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:10
S116	1088	S114 and10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:10
S117	5	S114 and S115	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:10
S118	5	((offangle or off?angle) with (substrate or crystal or phosphor or singlecrystal or single?crystal)) and (gallium adj nitride) and S114	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:10

S119	37	S114 and (dislocation adj density)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 07:11
S120	1	("20020037599").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/21 07:29
S121	33	("5868837").URPN.	USPAT	OR	ON	2008/10/21 07:54
S122	113	(phosphor with alkali with (ppm or concentration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:13
S123	6	S122 and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:14
S124	8	("20010022349"   "20020066868"   "20020070351"   "20030146395"   "20040108464"   "20040164251"   "5589252"   "5645923").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/21 08:18
S125	1	("6273948").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/21 08:24
S126	546	(concentration near3 ppm) with alkali	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:38

S127	19	(concentration near3 ppm) with alkali with (crystal or phosphor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:38
S128	26	((concentration near3 ppm) with alkali) and (crystal or phosphor or substrate) and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:42
S129	16	S128 not S127	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:43
S130	410	((concentration near3 (percent\$4 ppm)) with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali)) and (crystal or phosphor or substrate) and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:55
S131	18	S130 and (dislocation adj density)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 08:59
S132	15	((group near2 ("13" or "XIII")) and nitride and alkali).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 09:07

S133	20	((group near2 ("13" or "XIII")) and nitride and alkali) and (alkali with concentration with (phosphor or substrate or crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 09:32
S134	35	((gallium adj nitride) or "GaN") and (alkali with concentration with (phosphor or substrate or crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 09:35
S135	17	S134 not S133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 09:35
S136	27505	((lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (substrate or crystal or phosphor or singlecrystal or single?crystal)) and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 09:56
S137	17193	S136 and @ay<="2003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 09:57
S138	15534	((("B" or "Al" or "Ga" or "In" or gallium or boron or aluminum or indium) with (substrate or crystal or phosphor or singlecrystal or single?crystal)) and S137	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 09:59

S139	0	(dop\$4 near5 alkali) same (nitride near4 (singlecrystal or (single adj crystal) or single?crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:20
S140	0	(dop\$4 with alkali) same (nitride with (singlecrystal or (single adj crystal) or single?crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:21
S141	83	(alkali) same (nitride with (singlecrystal or (single adj crystal) or single?crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:21
S142	76	S141 not (((DWILINSKI) near2 (ROBERT)).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:22
S143	57	S142 and (nitride with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:23
S144	8	S143 and ((concentration or ppm) with alkali)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:23

S145	4	((dop\$4 with nitride) same (alkali with (single?crystal or (single adj crystal)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:09
S146	10	((single adj crystal) near4 alkali) and (nitride with (single adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:18
S147	74	((single adj crystal) with alkali) and (nitride with (single adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:24
S148	137	((single adj crystal) with alkali with (contain\$4 or concentration or ppm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:24
S149	26	S147 and S148	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:25
S150	671	((single adj crystal) with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali)) and (nitride with (single adj crystal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:41



S151	199	((single adj crystal) with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (contain\$4 or concentration or ppm)) and S150	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:41
S152	29	S151 and (high near2 yield)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 11:42
S153	12	((super?critical or supercritical or (super adj critical)) near3 (ammonia or "NH.sub.3")) same (alkali) same (single adj crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 12:49
S154	10	(crystal with alkali with (phosphor or substrate)) same (alkali with ppm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:03
S155	21	(crystal with alkali with (phosphor or substrate)) and (nitride with (single?crystal or phosphor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:06
S156	21	S155 not S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:07

S157	134	(alkali with (crystal or phosphor or substrate)) and (nitride with (single?crystal or phosphor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:09
S158	42	S157 and (alkali same (nitride with (single?crystal or phosphor)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:11
S159	22	(accelerat\$4 with (growth or synthesis) with nitride) and alkali	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:49
S160	40	(dop\$4 with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali) with (single near2 crystal)) same nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:02
S161	11	S160 and (concentration with (lithium or sodium or potassium or rubidium or caesium or francium or hydrogen or alkali))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:03
S162	451	((nitride or phosphor or substrate or crystal) with (off?angle or offangle or (off adj angle))) and nitride	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:23

S163	93	((degree) with (off?angle or offangle or (off adj angle))) and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:23
S164	42	S163 and (single adj crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:23
S165	11	S163 and alkali	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:24
S166	9	S163 and (slurry or slice) same (off near2 angle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:26
S167	14	("20060131553"   "4591889"   "4987094"   "5212404"   "5436468"   "5530713"   "5833749"   "5886360"   "5886389"   "5966625"   "5977564"   "6066571"   "6645834"   "6696372").PN. OR ("7135420").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/21 14:28
S168	52	((nitride or phosphor or substrate or crystal) with (off?angle or offangle or (off adj angle))) same (slice\$4 or cut\$4) and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:36

S169	21	((degree) with (off?angle or offangle or (off adj angle))) and S168	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 14:36
S170	6	S163 and (slurry) same (off near2 angle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 16:09

10/22/2008 9:13:51 AM

C:\Documents and Settings\mlogie\My Documents\EAST\Workspaces\10514429amd2.wsp